Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Topic: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score: \_\_\_\_\_\_\_\_\_\_/25 pts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Exemplary | Accom-plished | Devel-oping | Beginning | Points |
| **Title** | Title reflects the handout. No “creative “titles accepted |  |  |  | /2 |
| **Background** | * Provides accurate and extensive background information in at least two paragraphs including history of the main idea of this lab, key scientists associated with the creation of formulas and explanation of the units of measure. |  |  |  | /4 |
| **Purpose** | * Provides succinct and proper summary of why this lab is being performed including what it hopes to prove. |  |  |  | /2 |
| **Hypothesis** | Clearly and accurately states the hypothesis in an “if…..then” relationship between independent and dependent variables AND provides scientific reasoning to support the prediction. |  |  |  | /2 |
| **Variables** | Identifies independent, dependent and controlled variables and their relationship. |  |  |  | /2 |
| **Materials** | ALL materials and quantities of materials listed |  |  |  | /2 |
| **Procedure** | Step-by-step instructions written clearly in passive voice, past tense e.g. “the materials were gathered and the calorimeter was set up” Bullet points or numbers may be used. |  |  |  | /4 |
| **Data** | * Quantitative and qualitative data included * Accurate and appropriate data table with title * If applicable, labelled pictures of results |  |  |  | /3 |
| **Graph (if required)** | * Accurate and appropriate graph with title, labelled axes, proper intervals * Equation shown on graph (if required) |  |  |  | /3 |
| **Conclusion** | * States whether or not the hypothesis was supported by the data AND provides data which supports statement. Clearly and accurately connects what was done and observed in the lab to a real-world example |  |  |  | /3 |
| **Wrap up Question(s)** | * Answers all wrap up questions with full sentences and correct grammar. * Reflects the question in the answer. (1) |  |  |  | /4 |
| **Grammar, punctuation, spelling** | * All written in past tense and passive voice * All grammar, punctuation, spelling is correct. Subscripts/superscripts used properly (ex. CO2 - not CO2)(1) |  |  |  | /2 |
| **Formatting, Works Cited** | * Entire document is MLA formatted. * ALL sources cited. Wikipedia cannot be the only sources – need credible sources, |  |  |  | /2 |
| **Total** |  |  |  |  | /35 |

**Lab Report Rubric Reports must be typed and printed.** *Due at beginning of class on due date. Each day late = minus one letter grade*